VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

🔀 Conceptual Proposal 💎 🔲 Fii	al Proposal			Date	11/17/09
Contract ID 080919-801		Job No.	J8P0597		
County Polk	Rt. 13	Original l	Bid Cost	11,12	4,710,53
Contractor PCiRoads, LLC		By <u>Jo</u>	seph Miess	en	
Designed By PCiRoads, LLC		Phone	763-497-6	100	
VECP# 09-10] (to be comple	eted by C.O.)	VECP [or F	DVEC	CP 🗌
 Description of existing requireme Original plan is to build two ter connection. Which intern caus 	nporary connections	s to bypass ti	_	:	_
Proposed change is to eliminat existing north bound lane from to phase the paving for th south be safer for the traveling public	Sta. 702+00 to Sta. connection. Also	693+50. TI	his widenin	g will e	liminate the need
2. Estimate of reduction in construc	tion costs. \$79	,399.41			
3. Prediction of any effects the propmaintenance and operations. None	osed change(s) will	have on oth	her departı	nent co	osts, such as
4. Anticipated date for submittal of Specifications.	detailed change(s)	of items req	quired by S	ection	104.6 of the
	11/17	7/09			
·	(dat	e)			
5. Deadline for issuing a change ord contract completion time or deliver		ium cost rec	duction, no	ting th	e effect of
12/15/05	Start Shoulder	Widening Pr	ior to Freez	e Up	
(date)			(effect)		
6. Dates of any previous or concurre	ent submission of t	he same pro	posal.		
-	(date and/	or dates)	- .		

Additional Comments:

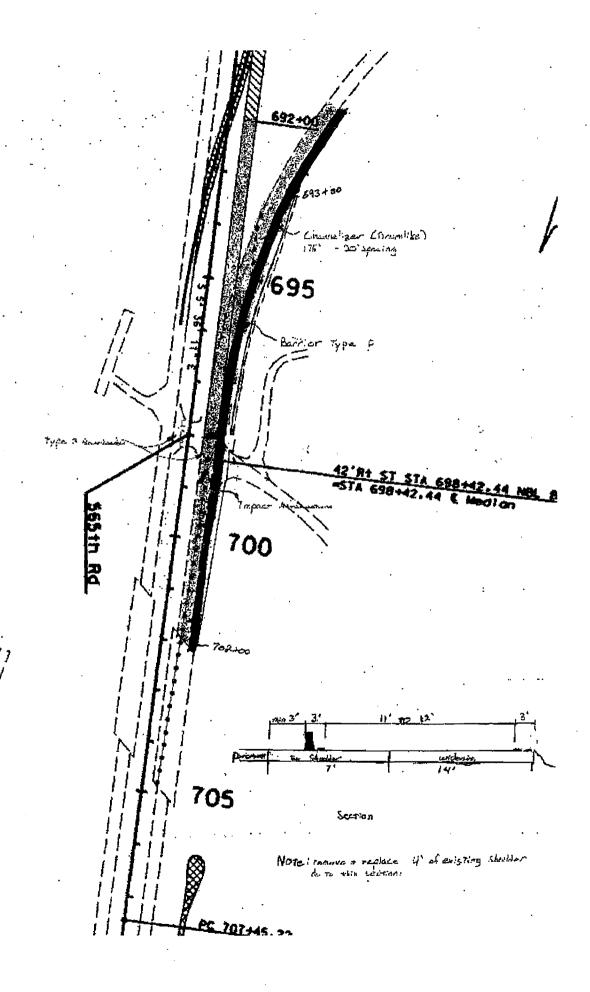
Break down of potential cost saving and layout have been attached.

** Portion Below This Line To Be Filled Out by MoDOT **

Comments: I agree with the contractor's proposal to elimate the temporary cross-overs and Stage 2 of the construction phase. Moving traffic on to the shoulder widening of the existing NBL will allow the contractor to build the entire NBL at on time, speed up the completion of the project, and be a cost savings to the project. I believe this should be a 50/50 VE change and result in a cost savings to the Commission and PCi Roads of \$39,699.70.					
,	Submitted By Resident Engineer				
Comments:					
Approval Recommended	Becky Balt	12-4-09			
Rejection Recommended	/ District Engineer	Date			
Comments:	1 FULL OVERSIGHT				
Approval Recommended					
Rejection Recommended	Federal Highway Administration Required for FHWA Full Oversight Projects	Date			
Comments:	LOVED PANT DISTACT RECOMMENDATION	V			
Approval	David D. Cooperhyson	12-11-09			
Rejection	State Construction and Materials Engineer	Date			

Distribution:

Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102



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Original Plan Temp Connection

0110	Linear Grading	Temp. Conn. #1 Placement Temp. Conn. #1 Removal Temp. Conn. #2 Placement Temp. Conn. #2 Removal	Unit Price \$535.35 \$535.35 \$535.35 \$535.35	Quantity 6 6 6 6		\$3,212.10 \$3,212.10 \$3,212.10 \$3,212.10 \$3,212.10
0220	Asphalt	Temp. Conn. #1 Temp. Conn. #2	\$37.45 \$37.45	748.2 772.1	_	\$28,020.09 \$28,915.15 \$56,935.24
0330	Impact Attenuators	SBL	\$4,500.00	2		\$9,000.00
0340	Replacement Sand Barrel	SBL	\$750.00	7		\$5,250.00
0390	Construction Signs	W020-1 W01-4L W01-4R W06-3 W09-2R W013-1 W020-5 W020-6a G023-1 R2-1	\$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50 \$7.50	4 16 2 16 5 16 2 9 4 6.25 4 16 2 16 9 3 6 12 3 12	64 32 32 80 18 25 64 32 27 72 36	\$480.00 \$240.00 \$240.00 \$600.00 \$135.00 \$187.50 \$480.00 \$240.00 \$202.50 \$540.00 \$270.00
0400	Channelizers	Trim Line	\$25.00	88		\$2,200.00
0420	Type III Movable Barricade	NBL SBL	\$165.00 \$165.00	5 3	_	\$825.00 \$495.00 \$1,320.00
0430	Flashing Arrow Panel	NBL SBL	\$900.00 \$900.00	1 1		\$900.00 \$900.00 \$1,800.00
0450	Tubular Markers	Temporary Crossovers	\$75.00	130		\$9,750.00
0490	Concrete Traffic Barrier, Type F	SBL	\$25.00	460		\$11,500.00
0530	Preformed Removable Marking Tape	SBL 4" Yellow NBL 4" Yellow	\$1.30 \$1.30	7100 1277		\$9,230.00 \$1,660.10 \$9,651.20
0540/0550	Preformed Removable Marking Tape	Temp. Conn. #1 8" White Temp. Conn. #1 8" Yellow Temp. Conn. #2 8" White	\$2.60 \$2.60 \$2.60	346 299 689		\$899.60 \$777.40 \$1,791.40
		Temp. Conn. #2 8" Yellow	\$2.60	522	_	\$1,357.20 \$4,825.60
0600	Pavement Marking Removal (Paint)	SBL Type 1 Tape Center Line NBL Type 1 Tape Center Line	\$0.40 \$0.40	1175 394	_	\$470.00 \$157.60 \$627.60

		Original Plan Temp (Connection	Total:	\$Ì40.118.0 4
					\$9,858.00
		Temp. Conn. #2	\$31.00	159	\$4,929.00
0970	Temp Pipe	Temp. Conn. #1	\$31.00	159	\$4,929.00
					\$700.00
		Temp. Conn. #2	\$350.00	1	\$350.00
0680	Contractor Staking	Temp. Conn. #1	\$350.00	1	\$350.00
	Marker				\$237.00
0620	Raised Pavment	Type 2	\$3.00	79	\$237.00

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Proposed Shoulder Widening Connection

500?	Grading and Remova (New Line Item)	Shoulder Widening	Unit Price \$17,438.48	Quantity 1	Amount \$17,438.48 \$17,438.48
0200	Asphalt	Widening	\$76.64	90	\$6,897.60 \$6,897.60
0210	Asphalt	Widening	\$68.77	215	\$14,785.55 \$14,785.55
0330	Impact Attenuators	SBL	\$4,500.00	1	\$4,500.00
0340	Replacement Sand Barrel	SBL	\$750.00	0	\$0.00
0390	Construction Signs		\$7.50	119	\$892.50 \$892.50
0400	Channelizers	Trim Line	\$25.00	40	\$1,000.00
0420	Type III Movable Barricade	NBL	\$165.00	5	\$825.00 \$825.00
0430	Flashing Arrow Panel	NBL	\$900.00	1	\$900.00 \$900.00
0450	Tubular Markers	Temporary Crossovers	\$75.00	0	\$0.00
0490	Concrete Traffic Barrier, Type F	SBL	\$25.00	385	\$9,625.00
0540/0550	Preformed Removable Marking Tape	Temp. Conn. #1 8" White Temp. Conn. #1 8" Yellow	\$2.60 \$2.60	300 300	\$780.00 \$780.00 \$1,560.00
0560	4 In. White and Yellow Acrylic Waterborne Pavement Marking	White Yellow	\$0.25 \$0.25	450 900	\$112.50 \$225.00 \$337.50
0620	Raised Pavment Marker	Type 2	\$3.00	79	\$23 7 .00 \$23 7 .00
0650	Pavement Marking Removal (Tape)		\$0.40	1300	\$520.00 \$ 520.00
0680	Contractor Staking (New Line Item)		\$1,200.00	1	\$1,200.00 \$0.00 \$1,200.00
	Duanted	l Chaulder Midening Ca	nnaction	Totalı	¢60 719 63

Proposed Shoulder Widening Connection

Total: \$60,718.63

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Contract ID:	: 080919-801 Fed St/Pr Prj Nbr: FAF-13-2(54)			
Status:	Active	Primary P	CN: J8P0597	
District:	07 OrgCode: 7CC		Funding Federal	
Progress Sched:		Variance Pct:	.00 State/Province	
Desc:	J8P0597 - ROUTE 13 - POLK COUNTY		O Both	
Time Charges:	COMPLETION DATE	Bid Days: 577	Bid Amt: \$11,124,710.53	
Contract Type:	Construction Project Above \$500,000		Fed Oversight	
Work Type:	NEW CONSTRUCTION		Local Oversight	
		Proposal F	und Type:	
Spec Yr:	1996 Unit System: English	Suppl Spec Bk Yr: 1998	Alt ID:	
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VALUE ENGINEERING CHECK SHEET

TYPE OF WORK (Check one that applies)

- □ Bridge/Structure/Footings
- □ Drainage Structures (RCP, RCB, CMP's, ect.)
- X TCP/MOT
- □ Paving (PCCP, ect.)
- □ Grading/MSE Walls
- □ Signal/Lighting/ITS
- □ Misc.

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Build shoulder widening to eliminate the need for temporary cross-over.	

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the da	ıtabase. If
there are special instructions, make note of them here.	

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Scan entire document.			

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